2004 Water Quality Assessment (Final) - Category 5 Listings for WRIA 14

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium
				Basis						Remarks	
14	**40605**	**5**	**Y**	**BURNS CREEK**	**UNK000**	**0**	**00U**	**000U**	**00**	**Fecal Coliform**	**Water**
				Seiders, 1995. excursions beyond the criterion during 1992 to 1994 near the mouth of Burns Creek. Seiders and Cusimano, 1996. excursions beyond both criteria from 1992 to 1996 near the mouth of Burns Creek.						There is no WASWIS ID for this segment. The stream drains to Totten Inlet. TRS 19N-03W-27. JB 7-25-03: REASSESS Listing ID 40617 rolled into this listing. Listed 96 Flag updated to Y. -kk 04/06/04	
14	**42362**	**5**	**N**	**BURNS CREEK**	**UNK000**	**0**	**19N**	**03W**	**27**	**Fecal Coliform**	**Water**
				Batts, D. and K. Seiders, (2003), station BUR shows the geometric mean of 349.6 exceeds the criterion and that 18 of 26 samples (69.2%) collected in 2001 exceed the percentile criterion.							
14	**42363**	**5**	**N**	**BURNS CREEK**	**UNK000**	**0**	**19N**	**03W**	**27**	**Fecal Coliform**	**Water**
				Batts, D. and K. Seiders, (2003), station BUR shows the geometric mean of 77.9 exceeds the criterion and that 9 of 23 samples (39.1%) collected in 1997 exceed the percentile criterion.							
14	**42364**	**5**	**N**	**BURNS CREEK**	**UNK000**	**0**	**19N**	**03W**	**27**	**Fecal Coliform**	**Water**
				Batts, D. and K. Seiders, (2003), station BUR shows the geometric mean of 154 exceeds the criterion and that 12 of 23 samples (52.2%) collected in 1998 exceed the percentile criterion.							
14	**42365**	**5**	**N**	**BURNS CREEK**	**UNK000**	**0**	**19N**	**03W**	**27**	**Fecal Coliform**	**Water**
				Batts, D. and K. Seiders, (2003), station BUR shows the geometric mean of 83.5 exceeds the criterion and that 6 of 23 samples (26.1%) collected in 1996 exceed the percentile criterion.							
14	**42366**	**5**	**N**	**BURNS CREEK**	**UNK000**	**0**	**19N**	**03W**	**27**	**Fecal Coliform**	**Water**
				Batts, D. and K. Seiders, (2003), station BUR shows the geometric mean of 143.6 exceeds the criterion and that 14 of 22 samples (63.6%) collected in 1995 exceed the percentile criterion.							
14	**42367**	**5**	**N**	**BURNS CREEK**	**UNK000**	**0**	**19N**	**03W**	**27**	**Fecal Coliform**	**Water**
				Batts, D. and K. Seiders, (2003), station BUR shows the geometric mean of 407.9 exceeds the criterion and that 20 of 28 samples (71.4%) collected in 2000 exceed the percentile criterion.							
14	**42368**	**5**	**N**	**BURNS CREEK**	**UNK000**	**0**	**19N**	**03W**	**27**	**Fecal Coliform**	**Water**
				Batts, D. and K. Seiders, (2003) station BUR shows the geometric mean of 476.4 exceeds the criterion and that 26 of 30 samples (86.7%) collected in 1999 exceed the percentile criterion.							

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium
				Basis						Remarks	
14	**42369**	**5**	**N**	**BURNS CREEK**	**UNK000**	**0**	**19N**	**03W**	**27**	**Fecal Coliform**	**Water**
				Batts, D. and K. Seiders, (2003), station BUR shows the geometric mean of 225.5 exceeds the criterion and that 6 of 28 samples (21.4%) collected in 1994 exceed the percentile criterion.							
14	**42370**	**5**	**N**	**BURNS CREEK**	**UNK000**	**0**	**19N**	**03W**	**27**	**Fecal Coliform**	**Water**
				Batts, D. and K. Seiders, (2003), station BUR shows the geometric mean of 105.7 exceeds the criterion and that 8 of 21 samples (38.1%) collected in 1993 exceed the percentile criterion.							
14	**42371**	**5**	**N**	**BURNS CREEK**	**UNK000**	**0**	**19N**	**03W**	**27**	**Fecal Coliform**	**Water**
				Batts, D. and K. Seiders, (2003), station BUR shows the geometric mean of 309 exceeds the criterion and that 6 of 8 samples (75.0%) collected in 1992 exceed the percentile criterion.							
14	**42372**	**5**	**N**	**BURNS CREEK**	**UNK000**	**0**	**19N**	**03W**	**27**	**Fecal Coliform**	**Water**
				Batts, D. and K. Seiders, (2003), station BUR shows the geometric mean of 87.3 exceeds the criterion and that 9 of 24 samples (37.5%) collected in 2002 exceed the percentile criterion.							
14	**42373**	**5**	**N**	**BURNS CREEK**	**UNK000**	**0**	**19N**	**03W**	**27**	**Fecal Coliform**	**Water**
				Batts, D. and K. Seiders, (2003), station BURCUL shows the geometric mean of 496.4 exceeds the criterion and that 20 of 27 samples (74.1%) collected in 2001 exceed the percentile criterion.							
14	**42374**	**5**	**N**	**BURNS CREEK**	**UNK000**	**0**	**19N**	**03W**	**27**	**Fecal Coliform**	**Water**
				Batts, D. and K. Seiders, (2003), station BURCUL shows the geometric mean of 672.0 exceeds the criterion and that 11 of 13 samples (84.6153846153846%) collected in 2000 exceed the percentile criterion.							
14	**42375**	**5**	**N**	**BURNS CREEK**	**UNK000**	**0**	**19N**	**03W**	**27**	**Fecal Coliform**	**Water**
				Batts, D. and K. Seiders, (2003), station BURCUL shows the geometric mean of 667.4 exceeds the criterion and that 6 of 6 samples (100%) collected in 1994 exceed the percentile criterion.							
14	**40624**	**5**	**Y**	**BURNS CREEK**	**UNK000**	**0**	**00U**	**000U**	**00**	**pH**	**Water**
				Seiders and Cusimano, 1996. 4 excursions beyond the criteria out of 18 samples (22%) from 1992 to 1996 near the mouth of Burns Creek.						This segment has no WASWIS. Drains to Totten Inlet. TRS 19N-03W-27.	
14	**7596**	**5**	**Y**	**CAMPBELL CREEK**	**BH46CN**	**1.309**	**20N**	**03W**	**13**	**Fecal Coliform**	**Water**
				Brown and Caldwell Consultants, 1990. , exceeds both criteria at station 73 (RM 0.5) during 1988.							

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium
				Basis						Remarks	
14	**24239**	**5**	**Y**	**CAMPBELL CREEK**	**BH46CN**	**0**	**20N**	**03W**	**14**	**Fecal Coliform**	**Water**
				Squaxin Island tribe unpublished data from station Campbell 2 (At Agate Road culvert) show 75% of samples exceeds the percentile criterion out of 4 samples collected in 2002. Squaxin Island tribe unpublished data from station Campbell 2 (At Agate Road culvert) show a geometric mean of 295 cfu/100mL out of 4 samples collected in 2002. Squaxin Island tribe unpublished data from station Campbell 2 (At Agate Road culvert) show a geometric mean of 10 cfu/100mL out of 6 samples collected in 2001. Squaxin Island tribe unpublished data from station Campbell 1 (At Agate Loop bridge) show a geometric mean of 50 cfu/100mL out of 6 samples collected in 2002. Squaxin Island tribe unpublished data from station Campbell 1 (At Agate Loop bridge) show a geometric mean of 41 cfu/100mL out of 3 samples collected in 2001.							
14	**35988**	**5**	**N**	**CASE INLET AND DANA PASSAGE**	**390KRD**	**47122D8D0**	**47.335**		**122.805**	**Bis(2-ethylhexyl)phthalate**	**Tissue**
				Washington Department of Fish and Wildlife PSAMP database show the National Toxic Rule Criterion was exceeded in a composite of more than 5 muscle tissue tissue tissue tissue tissue samples collected in 1993 from English sole (Pleuronectes vetulus) samples from station CASEIN3.							
14	**23752**	**5**	**N**	**CRANBERRY CREEK**	**TX75AG**	**0.148**	**21N**	**03W**	**36**	**Temperature**	**Water**
				Squaxin Island Tribe unpublished data from station Cranberry 1 (At Hwy 3 bridge) show a 7-day mean of daily maximum temperature of 19.71 degrees C from continuous measurements collected in 2000 and 18.31 degrees C from continuous measurements collected in 2001. Data from the Dept. of Ecology EIM database for the Project SPASM (SOUTH PUGET SOUND MODEL) station CRA05 (CRANBERRY CREEK AT HWY 3) shows 1 excursions beyond the criterion out of 7 samples collected between 03/99 - 09/99.							
14	**23753**	**5**	**N**	**CRANBERRY CREEK**	**TX75AG**	**3.564**	**21N**	**03W**	**34**	**Temperature**	**Water**
				Squaxin Island Tribe unpublished data from station Cranberry 2 (At Mickelson Road bridge) show a 7-day mean of daily maximum temperature of 22.53 degrees C from continuous measurements collected in 2000 and 21.32 degrees C from continuous measurements collected in 2001.							
14	**23754**	**5**	**N**	**CRANBERRY CREEK**	**TX75AG**	**4.942**	**21N**	**03W**	**27**	**Temperature**	**Water**
				Squaxin Island Tribe unpublished data from station Cranberry 3 (At Mason Lake Road bridge) show a 7-day mean of daily maximum temperature of 24.53 degrees C from continuous measurements collected in 2000 and 23.82 degrees C from continuous measurements collected in 2001. Squaxin Island Tribe unpublished data from station Cranberry 4 (Above Lake Limerick) show a 7-day mean of daily maximum temperature of 24.60 degrees C from continuous measurements collected in 2000 and 24.08 degrees C from continuous measurements collected in 2001.							
14	**6659**	**5**	**Y**	**GOLDSBOROUGH CREEK**	**MI94TV**	**0**	**20N**	**03W**	**20**	**Fecal Coliform**	**Water**
				Michaud, 1988. samples taken between 10/7/1987 and 2/9/1988 at station G(0.0) show a geometric mean of 124 and 6 out of 6 samples exceed the criteria.						Data is only available in hardcopy format. The water segment is listed as Category 5 based on the 1998 assessment.	

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Medium
				Basis					Remarks	
14	**10217**	**5**	**Y**	**GREAT BEND/LYNCH COVE**	**390KRD**	**47123D0F2**	**47.355**	**123.025**	**Dissolved oxygen**	**Water**
				Newton et al. (1998) Dept. of Ecology Ambient Monitoring Station HCB004 (Hood Canal - Gt. Bend Sisters Point) shows 94 excursions beyond the criterions out of 94 samples collected between 1993-2000					This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo, 4/2005)	
14	**6935**	**5**	**Y**	**GREAT BEND/LYNCH COVE**	**390KRD**	**47122E8C5**	**47.425**	**122.855**	**Fecal Coliform**	**Water**
				Mason County unpublished data (submitted by Wayne Clifford on 8/91) show excursions beyond the criterion for both the geometric mean and the percentile criterion at station M4 between 8/1/90 and 8/1/91. Department of Health unpublished data collected from station HOOD CANAL #9-286 show a geometric mean of 7 cfu/100mL and 10% of samples exceed the percentile criterion with the last sample collected on 14-Nov-2001.						
14	**39800**	**5**	**Y**	**HAMMERSLEY INLET**	**390KRD**	**47122B9J9**	**47.195**	**122.995**	**Fecal Coliform**	**Water**
				Department of Health unpublished data collected from station HAMMERSLEY INLET-100 show a geometric mean of 10 cfu/100mL and 13.3333333333333% of samples exceed the percentile criterion with the last sample collected on 6-Dec-2001. Department of Health unpublished data collected from station HAMMERSLEY INLET-111 show a geometric mean of 3 cfu/100mL and 0% of samples exceed the percentile criterion with the last sample collected on 27-Nov-2001. Department of Health unpublished data collected from station HAMMERSLEY INLET-112 show a geometric mean of 3 cfu/100mL and 0% of samples exceed the percentile criterion with the last sample collected on 27-Nov-2001.					TRS=22N-02W-22	
14	**40619**	**5**	**Y**	**HAPPY HOLLOW CREEK**	**UNK000**	**0**	**00U**	**000U 00**	**Fecal Coliform**	**Water**
				Mason County Shellfish Protection Project. 5 excursions beyond the criterion at station S4 (at Happy Hollow Store) between 8/1/90 and 8/1/91.					The stream drains to the Lower Hood Canal. WASWIS=XR81NL, LWR=0.000, TRS=22N-02W-22.	
14	**40976**	**5**	**N**	**HOOD CANAL**	**390KRD**	**47123D0G0**	**47.365**	**123.005**	**Dissolved oxygen**	**Water**
				Newton (2004), Hood Canal Study station SSTRS shows 16 of 36 samples exceeded the criterion in year 2003, and 7 of 17 samples exceeded the criterion in year 2004.					This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo, 4/2005)	
14	**40989**	**5**	**N**	**HOOD CANAL**	**390KRD**	**47122D9J2**	**47.395**	**122.925**	**Dissolved oxygen**	**Water**
				Newton (2004), Hood Canal Study station LYNCH shows 34 of 52 samples exceeded the criterion in year 2003, and 14 of 25 samples exceeded the criterion in year 2004.					This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo, 4/2005)	

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Medium
				Basis					Remarks	
14	**40990**	**5**	**N**	**HOOD CANAL**	**390KRD**	**47122D9J1**	**47.395**	**122.915**	**Dissolved oxygen**	**Water**
				Newton (2004), Hood Canal Study station LYNCHN shows 17 of 36 samples exceeded the criterion in year 2003, and 7 of 15 samples exceeded the criterion in year 2004.					This listing was reviewed by Ecology Marine Unit staff for natural conditions, with the conclusion that anthropogenic sources appear to contribute to the D.O. exceedances. This listing should be left on Category 5 (Grantham memo, 4/2005)	
14	**23751**	**5**	**N**	**JOHNS CREEK**	**HL95GY**	**3.2**	**20N**	**03W 05**	**Temperature**	**Water**
				Squaxin Island Tribe unpublished data from station Johns 2 (At Johns Creek Drive gage) show a 7-day mean of daily maximum temperature of 19.65 degrees C from continuous measurements collected in 2000 and 18.25 degrees C from continuous measurements collected in 2001.						
14	**41467**	**5**	**N**	**KENNEDY CREEK**	**AO33HF**	**0.039**	**19N**	**03W 32**	**Dissolved oxygen**	**Water**
				Batts, D. and K. Seiders, (2003), station KND shows 1 sample exceeded the criterion in year 1993, 1 sample exceeded the criterion in year 1994 and 2 samples exceeded the criterion in year 1999.						
14	**41736**	**5**	**N**	**KENNEDY CREEK**	**AO33HF**	**0.039**	**19N**	**03W 32**	**Fecal Coliform**	**Water**
				Batts, D. and K. Seiders, (2003), station KND shows that 4 of 36 samples (11.1%) collected in 2001 exceed the percentile criterion.						
14	**24237**	**5**	**N**	**MALANEY CREEK**	**ZY55KI**	**0**	**20N**	**03W 01**	**Fecal Coliform**	**Water**
				Squaxin Island tribe unpublished data from station Malaney 1 (At Agate Road culvert) show a geometric mean of 119 cfu/100mL out of 6 samples collected in 2002. Squaxin Island tribe unpublished data from station Malaney 1 (At Agate Road culvert) show a geometric mean of 45 cfu/100mL out of 3 samples collected in 2001.						
14	**40597**	**5**	**N**	**MILL CREEK**	**ML22SI**	**2.656**	**20N**	**03W 35**	**Temperature**	**Water**
				Squaxin Island Tribe unpublished data from station Mill 1 (on dirt trail off Fireweed lane) show a 7-day mean of daily maximum temperature of 21.74 degrees C from continuous measurements collected in 2000.						
14	**40598**	**5**	**N**	**MILL CREEK**	**ML22SI**	**11.414**	**20N**	**03W 30**	**Temperature**	**Water**
				Squaxin Island Tribe unpublished data from station Mill 2 (at the diner) show a 7-day mean of daily maximum temperature of 23.02 degrees C from continuous measurements collected in 2000 and 23.08 degrees C from continuous measurements collected in 2001.						
14	**40599**	**5**	**N**	**MILL CREEK**	**ML22SI**	**13.363**	**20N**	**03W 31**	**Temperature**	**Water**
				Squaxin Island Tribe unpublished data from station Mill 3 (at Storybrook Bridge) show a 7-day mean of daily maximum temperature of 23.70 degrees C from continuous measurements collected in 2000 and 23.57 degrees C from continuous measurements collected in 2001.						
14	**39872**	**5**	**N**	**OAKLAND BAY**	**390KRD**	**47123C0F2**	**47.255**	**123.025**	**Fecal Coliform**	**Water**
				Department of Health unpublished data collected from station OAKLAND BAY-129 show a geometric mean of 7 cfu/100mL and 13.33% of samples exceed the percentile criterion with the last sample collected on 6-Dec-2001.						

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium
				Basis					Remarks		
14	**12582**	**5**	**N**	**PERRY CREEK**	**FE29VY**	**0.21**	**18N**	**03W**	**13**	**Fecal Coliform**	**Water**
				Batts, D. and K. Seiders, (2003), station PRY shows that 6 of 41 samples (14.6%) collected in 2001 exceed the percentile criterion. National Monitoring Program unpublished data (submitted by David Batts on 13 December 2002) show no excursions beyond the the geometric mean criterion in the wet seasons from 1992-2002. National Monitoring Program unpublished data (submitted by David Batts on 13 December 2002) show excursions beyond the the percentile criterion in the wet seasons from 2001-2002. National Monitoring Program unpublished data (submitted by David Batts on 13 December 2002) show no excursions beyond the the geometric mean criterion in the dry seasons from 1999-2002. National Monitoring Program unpublished data (submitted by David Batts on 13 December 2002) show excursions beyond the the percentile criterion in the dry seasons from 1999-2002.						
14	**41876**	**5**	**N**	**PIERRE CREEK**	**UNK000**	**0**	**19N**	**03W**	**27**	**Dissolved oxygen**	**Water**
				Batts, D. and K. Seiders, (2003), station PIE shows 1 sample exceeded the criterion in year 1993 and 2 samples exceeded the criterion in year 1999.							
14	**40958**	**5**	**Y**	**PIERRE CREEK**	**UNK000**	**0**	**00U**	**000U**	**00**	**Fecal Coliform**	**Water**
				Seiders and Cusimano, 1996, excursions beyond both fecal coliform criteria from 1992 to 1996 near the mouth of Pierre Creek.							
14	**40959**	**5**	**Y**	**PIERRE CREEK**	**UNK000**	**0**	**00U**	**000U**	**00**	**Fecal Coliform**	**Water**
				Seiders, 1995, excursions beyond the criterion during 1992 to 1994 near the mouth of Pierre Creek.							
14	**41944**	**5**	**N**	**PIERRE CREEK**	**UNK000**	**0**	**19N**	**03W**	**27**	**Fecal Coliform**	**Water**
				Batts, D. and K. Seiders, (2003), station PIE shows the geometric mean of 132.5 exceeds the criterion and that 14 of 35 samples (40%) collected in 2001 exceed the percentile criterion.							
14	**41945**	**5**	**N**	**PIERRE CREEK**	**UNK000**	**0**	**19N**	**03W**	**27**	**Fecal Coliform**	**Water**
				Batts, D. and K. Seiders, (2003), station PIE shows the geometric mean of 78.3 exceeds the criterion and that 6 of 23 samples (26.1%) collected in 1997 exceed the percentile criterion.							
14	**41946**	**5**	**N**	**PIERRE CREEK**	**UNK000**	**0**	**19N**	**03W**	**27**	**Fecal Coliform**	**Water**
				Batts, D. and K. Seiders, (2003), station PIE shows the geometric mean of 59.9 exceeds the criterion and that 6 of 22 samples (27.3%) collected in 1998 exceed the percentile criterion.							
14	**41947**	**5**	**N**	**PIERRE CREEK**	**UNK000**	**0**	**19N**	**03W**	**27**	**Fecal Coliform**	**Water**
				Batts, D. and K. Seiders, (2003), station PIE shows the geometric mean of 141.1 exceeds the criterion and that 15 of 23 samples (65.2%) collected in 1996 exceed the percentile criterion.							

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium
				Basis						Remarks	
14	**41948**	**5**	**N**	**PIERRE CREEK**	**UNK000**	**0**	**19N**	**03W**	**27**	**Fecal Coliform**	**Water**
				Batts, D. and K. Seiders, (2003), station PIE shows the geometric mean of 269.7 exceeds the criterion and that 19 of 23 samples (82.6%) collected in 1995 exceed the percentile criterion.							
14	**41949**	**5**	**N**	**PIERRE CREEK**	**UNK000**	**0**	**19N**	**03W**	**27**	**Fecal Coliform**	**Water**
				Batts, D. and K. Seiders, (2003), station PIE shows the geometric mean of 71.7 exceeds the criterion and that 7 of 30 samples (23.3%) collected in 2000 exceed the percentile criterion.							
14	**41950**	**5**	**N**	**PIERRE CREEK**	**UNK000**	**0**	**19N**	**03W**	**27**	**Fecal Coliform**	**Water**
				Batts, D. and K. Seiders, (2003), station PIE shows the geometric mean of 96.0 exceeds the criterion and that 14 of 33 samples (42.4%) collected in 1999 exceed the percentile criterion.							
14	**41951**	**5**	**N**	**PIERRE CREEK**	**UNK000**	**0**	**19N**	**03W**	**27**	**Fecal Coliform**	**Water**
				Batts, D. and K. Seiders, (2003), station PIE shows the geometric mean of 128.0 exceeds the criterion and that 17 of 29 samples (58.6%) collected in 1994 exceed the percentile criterion.							
14	**41952**	**5**	**N**	**PIERRE CREEK**	**UNK000**	**0**	**19N**	**03W**	**27**	**Fecal Coliform**	**Water**
				Batts, D. and K. Seiders, (2003), station PIE shows that 5 of 20 samples (25%) collected in 1993 exceed the percentile criterion.							
14	**41953**	**5**	**N**	**PIERRE CREEK**	**UNK000**	**0**	**19N**	**03W**	**27**	**Fecal Coliform**	**Water**
				Batts, D. and K. Seiders, (2003), station PIE shows the geometric mean of 169.0 exceeds the criterion and that 3 of 8 samples (37.5%) collected in 1992 exceed the percentile criterion.							
14	**41954**	**5**	**N**	**PIERRE CREEK**	**UNK000**	**0**	**19N**	**03W**	**27**	**Fecal Coliform**	**Water**
				Batts, D. and K. Seiders, (2003), station PIE shows the geometric mean of 51.5 exceeds the criterion and that 7 of 24 samples (29.2%) collected in 2002 exceed the percentile criterion.							
14	**40957**	**5**	**Y**	**PIERRE CREEK**	**UNK000**	**0**	**00U**	**000U**	**00**	**pH**	**Water**
				Seiders and Cusimano, 1996, 4 excursions beyond the criteria out of 18 samples (22%) from 1992 to 1996 near the mouth of Pierre Creek.							
14	**41468**	**5**	**N**	**SCHNEIDER CREEK**	**ER21HD**	**0.339**	**19N**	**03W**	**33**	**Dissolved oxygen**	**Water**
				Batts, D. and K. Seiders, (2003), station SHN shows 1 sample exceeded the criterion in year 1993 and 4 samples exceeded the criterion in year 1999.							

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information	Parameter	Medium
				Basis		Remarks	
14	**12583**	**5**	**N**	**SCHNEIDER CREEK**	**ER21HD 0.339 19N 03W 33**	**Fecal Coliform**	**Water**

Batts, D. and K. Seiders, (2003), station SHN shows that 1 of 24 samples (4.2%) collected in 2002 exceed the percentile criterion.

Batts, D. and K. Seiders, (2003), station SHN shows that 15 of 42 samples (35.7%) collected in 2001 exceed the percentile criterion.

Batts, D. and K. Seiders, (2003), station SHN shows that 2 of 40 samples (5%) collected in 2000 exceed the percentile criterion.

Batts, D. and K. Seiders, (2003), station SHN shows that 4 of 40 samples (10%) collected in 1999 exceed the percentile criterion.

Batts, D. and K. Seiders, (2003), station SHN shows that 5 of 28 samples (17.9%) collected in 1998 exceed the percentile criterion.

Batts, D. and K. Seiders, (2003), station SHN shows that 1 of 21 samples (4.7%) collected in 1997 exceed the percentile criterion.

Batts, D. and K. Seiders, (2003), station SHN shows that 1 of 23 samples (4.3%) collected in 1996 exceed the percentile criterion.

Batts, D. and K. Seiders, (2003), station SHN shows that 1 of 23 samples (4.3%) collected in 1995 exceed the percentile criterion.

Batts, D. and K. Seiders, (2003), station SHN shows that 5 of 29 samples (17.2%) collected in 1994 exceed the percentile criterion.

Batts, D. and K. Seiders, (2003), station SHN shows that 2 of 22 samples (9.1%) collected in 1993 exceed the percentile criterion.

Batts, D. and K. Seiders, (2003), station SHN shows the geometric mean of 73.3 exceeds the criterion and that 3 of 8 samples (37.5%) collected in 1992 exceed the percentile criterion.

National Monitoring Program unpublished data (submitted by David Batts on 13 December 2002) show no excursions beyond the the geometric mean criterion in the wet seasons from 1992-2002.

National Monitoring Program unpublished data (submitted by David Batts on 13 December 2002) show excursions beyond the the percentile criterion in the wet seasons from 1992-1993, 1994-1995, 1998-1999, and 2000-2001.

National Monitoring Program unpublished data (submitted by David Batts on 13 December 2002) show no excursions beyond the the geometric mean criterion in the dry seasons from 2000-2001.

National Monitoring Program unpublished data (submitted by David Batts on 13 December 2002) show excursions beyond the the percentile criterion in the dry seasons from 1999-2001.

14	**6660**	**5**	**Y**	**SHELTON CREEK**	**JZ99VQ 0.032 20N 03W 20**	**Fecal Coliform**	**Water**

Michaud, 1988. samples taken at station S(0.2) between 10/7/1987 and 2/9/1988 show a geometric mean of 147 and 4 out of 8 samples exceed the criteria.

Data is only available in hardcopy format. The water segment is listed as Category 5 based on the 1998 assessment.

14	**6658**	**5**	**Y**	**SHELTON HARBOR (INNER)**	**390KRD 47123C0A9 47.205 123.095**	**Fecal Coliform**	**Water**

Michaud, 1987. samples taken at station 34 between 2/25/1987 and 5/27/1987 have a geometric mean of 280 with 4 out of 6 samples exceeding the critria.

Data is only available in hardcopy format. The water segment is listed as Category 5 based on the 1998 assessment.

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium
				Basis					Remarks		
14	**7601**	**5**	**Y**	**SKOOKUM CREEK**	**BI64LF**	**1.706**	**19N**	**03W**	**19**	**Fecal Coliform**	**Water**
				Data collected by the Squaxin Island Tribe (submitted by Jim Albrecht on 10/31/97) show 2 excursions beyond the upper criterion at a station just west of Hwy 101 on 9/15/95 and 4/24/96. Squaxin Island tribe unpublished data from station Skookum 3 (Hwy 108 @ RM 2.2) show a geometric mean of 37 cfu/100mL out of 3 samples collected in 2002. Squaxin Island tribe unpublished data from station Skookum 3 (Hwy 108 @ RM 2.2) show a geometric mean of 14 cfu/100mL out of 10 samples collected in 2001. Squaxin Island tribe unpublished data from station Skookum 3 (Hwy 108 @ RM 2.2) show a geometric mean of 74 cfu/100mL out of 6 samples collected in 2000.					Fecal coliform data were previously submitted only in hardcopy form. The water segment is listed as Category 5 based on the 1998 assessment.	
14	**23758**	**5**	**N**	**SKOOKUM CREEK**	**BI64LF**	**1.706**	**19N**	**03W**	**19**	**Temperature**	**Water**
				Squaxin Island Tribe unpublished data from station Skookum 3 (Hwy 108 @ RM 2.2) show a 7-day mean of daily maximum temperature of 17.93 degrees C from continuous measurements collected in 2002.							
14	**35987**	**5**	**N**	**SQUAXIN, PEALE, AND PICKERING PASSAGES**	**390KRD**	**47122C8J7**	**47.295**	**122.875**		**Bis(2-ethylhexyl)phthalate**	**Tissue**
				Washington Department of Fish and Wildlife PSAMP database show the National Toxic Rule Criterion was exceeded in a composite of more than 5 muscle tissue tissue tissue tissue tissue samples collected in 1993 from English sole (Pleuronectes vetulus) samples from station PICKERNG.							
14	**36025**	**5**	**N**	**SQUAXIN, PEALE, AND PICKERING PASSAGES**	**390KRD**	**47122C8J7**	**47.295**	**122.875**		**Total PCBs**	**Tissue**
				Washington Department of Fish and Wildlife PSAMP database show the National Toxic Rule Criterion was exceeded in a composite of more than 5 muscle tissue tissue tissue tissue tissue samples collected in 1993 and 1996 from English sole (Pleuronectes vetulus) samples from station PICKERNG.							
14	**6965**	**5**	**N**	**SUNSET BEACH CREEK**	**NB28QT**	**0.067**	**22N**	**02W**	**12**	**Fecal Coliform**	**Water**
				Mason County unpublished data (submitted by Wayne Clifford on 8/91) show excursions beyond the criterion for both the geometric mean and the percentile criterion at station S6 between 8/1/90 and 8/1/91.							
14	**6961**	**5**	**N**	**TWANOH CREEK**	**KH25TG**	**0**	**22N**	**02W**	**19**	**Fecal Coliform**	**Water**
				Mason County unpublished data (submitted by Wayne Clifford on 8/91) meet the criterion for the geometric mean, but exceeds the percentile criterion at station S1 between 8/1/90 and 8/1/91.							
14	**6964**	**5**	**N**	**TWANOH FALLS CREEK**	**HL04LK**	**0**	**22N**	**02W**	**21**	**Fecal Coliform**	**Water**
				Mason County unpublished data (submitted by Wayne Clifford on 8/91) show excursions beyond the criterion for both the geometric mean and the percentile criterion at station S2 between 8/1/90 and 8/1/91.							
14	**40618**	**5**	**Y**	**UNCLE JOHN CREEK**	**UNK000**	**0**	**00U**	**000U**	**00**	**Fecal Coliform**	**Water**
				Brown and Caldwell Consultants, 1990. multiple excursions beyond the criterion at station 78 (RM 0.1) during 1988. Brown and Caldwell Consultants, 1990. multiple excursions beyond the criterion at station 79 (RM 0.3) during 1988. Brown and Caldwell Consultants, 1990. multiple excursions beyond the criterion at station 80 (RM 2.2) during 1988.					There is no WASWIS ID for this stream. It drains to Chapman Cove. TRS=20N-03W-14.		

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information				Parameter	Medium
				Basis					Remarks	
14	**6966**	**5**	**N**	**UNNAMED CREEK**	**PW17OV**	**0**	**22N**	**02W** **12**	**Fecal Coliform**	**Water**
				Mason County unpublished data (submitted by Wayne Clifford on 8/91) meet the criterion for the geometric mean, but exceeds the percentile criterion at station S7 between 8/1/90 and 8/1/91.						